

IANA Update CENTR, Madrid 2006

Kim Davies

Internet Assigned Numbers Authority



Coming up:

- ▶ Organisational Update
- ▶ IANA Contact Process
- ▶ Root Zone Automation
- ▶ Other projects

Organisational Update

- ▶ Currently running on seven staff + temps
 - ▶ Michelle Cotton on maternity leave from June 9
 - ▶ This time we are staffed to cope!

Root Zone Automation

- ▶ Aim is to have a system that can execute subset of functions available for testing by Marrakesh meeting
- ▶ USG asserted their right (as per contract) to decide how we implement software
- ▶ Public code needs to be reviewed for security, stability and reliability by agencies and general public.
 - ▶ Needs certified review by USG
- ▶ Hope to get NASK etc. involved in programming changes once requirements are met.
- ▶ Source will be available at <http://sourceforge.net/projects/eiana/>

Root Zone Automation (2)

- ▶ Work required includes:
 - ▶ Revised data model
 - ▶ Heavily altered process flows
 - ▶ Interface improvements



Overview

Users get a customised overview of which domains they manage, their outstanding requests, etc.

Root Management Overview

Welcome **Kim Davies!**

[Logout >](#)

Your Domains

Domain	Role(s)	Last Updated	Actions
.au (Australia)	Technical Contact	January 4, 2003	Review / Edit
.int (gTLD)	Administrative Contact Technical Contact	March 8, 1992	Review / Edit

Your outstanding requests

Reference	Domain	Lodged	Current Status	Last Change	Actions
9774	.au	4 May 2006	Waiting for Confirmations	4 May 2006	View Details
9775	.au	4 May 2006	Waiting for Technical Review	4 May 2006	View Details

Updating a record

Users can interactively manipulate a record, and a request will automatically be formed.



Review a Domain

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.au (Australia)

Supporting Organisation

This represents the delegated authority responsible for operations of the domain,

.au Domain Administration
107 Faraday Street
Melbourne VIC 3053
Australia

[Edit Record >](#)

Last Updated 3 January, 2001

Contacts

Contacts authorised to speak for the operator of the domain. An technical and administrative contact must confirm any changes to details associated with this domain.

Administrative
Chris Disspain
au Domain Administration
107 Faraday Street
Melbourne VIC 3053
Australia

ceo@auda.org.au
+61-3-9349-4711 (v)
+61-9349-5711 (f)

[Edit Record >](#)

Last Updated 3 January, 2001

Technical
(This is you.)
Kim Davies
GPO Box E248
Perth WA 6000
Australia

kim@cynosure.com.au
+61-8-9243-4440 (v)
+61-8-9243-4441 (f)

[Edit Record >](#)

Last Updated 3 January, 2001

Nameservers

These are the authoritative nameservers to be listed in the DNS root for this domain.

adns1.berkeley.edu	128.32.136.3
adns2.berkeley.edu	128.32.136.14
aunic.aunic.net	203.29.5.1

[Edit List >](#)

Updating a record 2

Multiple changes are bundled into the same request. User will be asked later if they wish to split a request to expedite processing.



Review a Domain

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.au (Australia)

You have made changes to this domain. Once you have completed making changes (highlighted in orange below) you must submit them to turn them into a Change Request for IANA to process. Failure to do this will result in changes being lost.

[Cancel Change Request](#)

[Complete Change Request](#)

Supporting Organisation

This represents the delegated authority responsible for operations of the domain,

.au Domain Administration
107 Faraday Street
Melbourne VIC 3053
Australia

[Edit Record >](#)

Last Updated 3 January, 2001

Contacts

Contacts authorised to speak for the operator of the domain. An technical and administrative contact must confirm any changes to details associated with this domain.

Administrative

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[Edit Record >](#)

Last Updated 3 January, 2001

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[Edit Record >](#)

Nameservers

These are the authoritative nameservers to be listed in the DNS root for this domain.

ns1.au 203.1.5.1
adns1.berkeley.edu 128.32.136.3
adns2.berkeley.edu 128.32.136.14
aunic.aunic.net 203.29.5.1

[Edit List >](#)



Automating steps

We aim to automate as much as possible as current policy allows, for example, making technical tests automatic with live feedback.

Will be implemented after a public review of our technical checks.

Technical Check Problems

.au (Australia)

The following problems were detected on the nameservers supplied in this request. We recommend you rectify all errors before submitting this request, as this will delay processing.

Errors marked in red **MUST** be fixed, as no processing can occur with these types of problems existing.

Errors in orange **SHOULD** be fixed, however, if the domain operator has a good reason operationally for the problem to occur, the IANA staff will evaluate the request and may proceed. We only recommend you take this option if you have a strong operational reason to do so. Please speak with IANA's staff if you have any enquiries.

ns1.au	Passed all tests Accessible via IPv4, AA-bit set.
aunic.aunic.net	Passed all tests Accessible via IPv4, AA-bit set.
muwaya.ucs.unimelb.edu.au	Passed all tests Accessible via IPv4, AA-bit set.
ns.uu.net	Passed all tests Accessible via IPv4, AA-bit set.
sec1.apnic.net	Passed all tests Accessible via IPv4, AA-bit set.
sec3.apnic.net	Passed all tests Accessible via IPv4, Accessable bia IPv6, AA-bit set.
Data Coherency	Serial numbers don't match ns1.au = 2006050101, aunic.aunic.net = 2006050102, muwaya.ucs.unimelb.edu.au = 2006050101, ns.uu.net = 2006050101, sec1.apnic.net = 2006050101, sec3.apnic.net = 2006050101
Data Format	Passed all tests <512-byte packet size, SOA correct format.

< Make more changes

Proceed with request >

IANA Contract Process

- ▶ **Feb 21-Mar 7:** USG seeks information on parties who can operate IANA function
- ▶ **Mar 13:** USG extends existing ICANN IANA contract to September 1.
- ▶ **May 18:** Announced plan to implement new 5 year contract to ICANN on July 17. (*Comment period open until May 28.*)
- ▶ **July 26:** USDoC to hold meeting on future of the ICANN MoU. See http://www.ntia.doc.gov/ntiahome/frnotices/2006/NOI_DNS_Transition_0506.htm

24x7 Emergency Support

- ▶ Finally had telephone lines provisioned
 - ▶ US phone companies are slow...
- ▶ Engaging the call centre provider now
- ▶ Should be in full service within 2 weeks
- ▶ Will advise all AC and TCs of the call-in details
- ▶ **NOTE:** This does not mean IANA will be open 24hrs - this service will page staff members at home etc. in event of emergency.

Other projects in the works

- ▶ Much positive feedback to our new website prototype
- ▶ Current work underway to make it feature complete for second round of testing
- ▶ Will announce second stage review

- ▶ Developing a new MoU with the IETF on protocol services

Main Target Status

Vancouver Issue	Current Status	Comment
Consistent mgmt focus/prioritization	Resolved	Not an issue since before I started
Understaffing	Mostly done	2-3 FTE light. Hiring is difficult
Infrastructure lacking	Improving	Understaffing related, being resolved
Ticketing system	Resolved	Historical data migration would be nice
Multiple databases	Still an issue	Automation will address
Complicated processes	Improving	Simplification underway but constrained
Few external processes docs	Mostly done	Documents currently inconsistent
Process exceptions	Still an issue	Not easily resolvable
Large backlog	Mostly done	Target resolution date: شكرا رم
Lack of automation	Improving	Processes being automated
Customer comm. difficulty	Improving	New web page should help
Data inconsistently collected	Mostly done	RT helps, automation will help w/ detail
No tracked quality metrics	Mostly done	Reliable baseline established

Thankyou for your attention!

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